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APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/730,967	12/	09/2003	John Harvie Chaffin III	46872-292128	3674		
7:	7590 09/07/2005			EXA	EXAMINER		
Everman Law	Firm, P.	A	TURNER, ARCHENE A				
6000 Fairview	Road						
Suite 1200				ART UNIT	PAPER NUMBER		
Charlotte, NC	Charlotte, NC 28210				1775		

DATE MAILED: 09/07/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

	Applicat	ion No.	Applicant(s)							
Office Antique Commence	10/730,9	967	CHAFFIN, JOHN	HARVIE						
Office Action Summary	Examine	r	Art Unit							
	Archene		1775							
The MAILING DATE of this communi Period for Reply	cation appears on th	e cover sheet with the	correspondence ad	idress						
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent.term adjustment. See 37 CFR 1.704(b).										
Status										
1) Responsive to communication(s) file	Responsive to communication(s) filed on 7/18/05.									
2a) ☐ This action is FINAL .	·									
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is										
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.										
Disposition of Claims										
4) ⊠ Claim(s) 1-7 is/are pending in the ap 4a) Of the above claim(s) is/ar 5) □ Claim(s) is/are allowed. 6) ⊠ Claim(s) 1-7 is/are rejected. 7) □ Claim(s) is/are objected to. 8) □ Claim(s) are subject to restrict	re withdrawn from co									
Application Papers										
9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.										
Priority under 35 U.S.C. § 119										
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 										
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (P' 3) Information Disclosure Statement(s) (PTO-1449 or Paper No(s)/Mail Date 12/03.	TO-948) PTO/SB/08)	4) Interview Summar Paper No(s)/Mail [5) Notice of Informal 6) Other:	Date	0-152)						

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1. Applicant's election of Group I in the reply filed on 7/18/05 is acknowledged. Because applicant did not distinctly and specifically point out the supposed errors in the restriction requirement, the election has been treated as an election without traverse (MPEP § 818.03(a)).

- 2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 3. Claims 1-7 rejected under 35 U.S.C. 103(a) as being unpatentable over Gruen et al (5,989,511 or 5,227,760).

Gruen et al discloses the claimed nano-crystalline diamond having the claimed thickness and the produced by the claimed method. While Gruen et al does not explicitly disclose the exclusion of graphite, Gruen et al says that the diamond films are essentially sp3 bonding which infers that no graphite is present. The claimed stress and absorption peaks are considered inherent.

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Archene Turner whose new telephone number is (571) 272-1545. The examiner can normally be reached on Monday through Wednesday, and Friday from 10:30 am. to 6:00 pm.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Deborah Jones can be reached on (571) 272-1535. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306. Please remember to include on the fax, the art unit 1775, serial number and Examiner's name.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

A. A. Turner
Primary Examiner
Group 1700

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